

<p>24119 K/10                    A14 J01 L03 (A35)                    FURB 24.07.81  FURUKAWA BATTERY KK (FURU)                    *J5 8017-121  24.07.81-JP-116061 (01.02.83) C08f-08/12 C08j-03/06  Hydrophilisation of acrylic polymer - by alkali treatment and then  with water</p>	<p>A(4-F6D, 11-C4D) J(1-C3, 3-B3) L(3-E1A)                    555</p>
<p>C83-023585                    Full Patentees: Furakawa Battery KK;  Furakawa Electric Co.</p> <p>A process for hydrophilication of acrylic polymer containing more than 30 mol % of one or both of ester acrylate and ester methacrylate, comprises subjecting the polymer to an alkali treatment followed by treating with water. The alkali treatment is conducted by dipping the polymer <u>film or sheet</u> in an alkaline solution in batches or continuously. The treating temperature and time are preferably 60-100°C. and 5-20 hours. The treatment with water is used to remove the alkali and to promote the hydrophilication.</p> <p><u>USE/ADVANTAGES</u></p> <p>This process permits easy hydrophilication of materials which are inherently not hydrophilic, and makes it possible for acrylic polymer to be coated onto a substrate which will be used hydrophilically, e.g. a separator for batteries, fluid separator etc. (3ppW203).</p>	<p>J58017121</p>

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